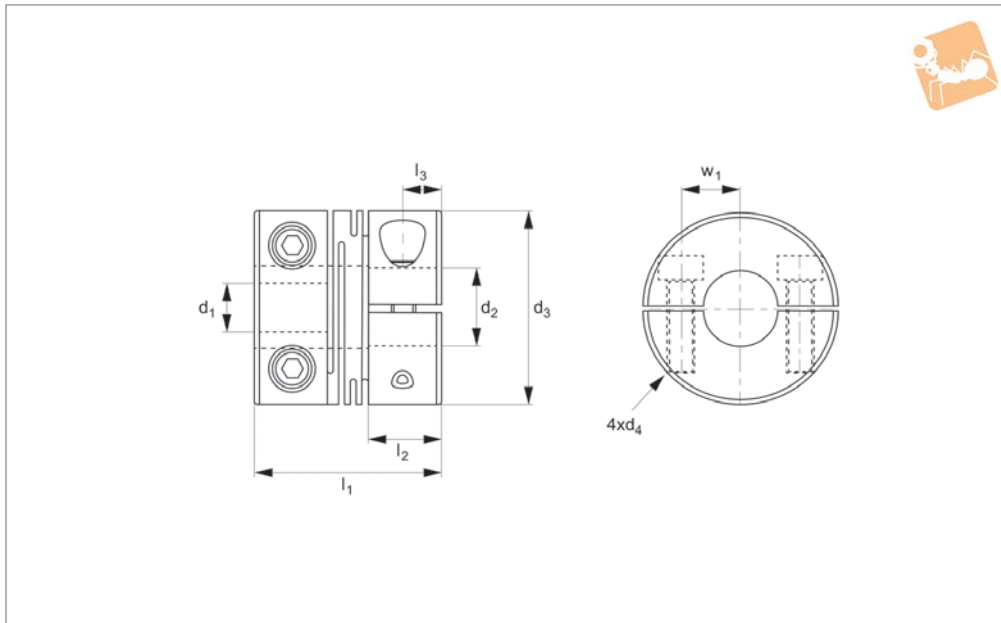
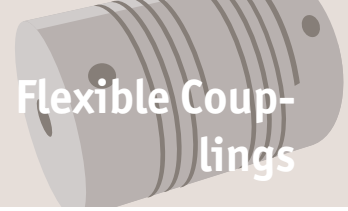




# Beamed Coupling - three beam stainless steel, set screw type

## Flexible Couplings



**R3007**

FLEXIBLE COUPLINGS

**Material**

Stainless steel 1.4435 (AISI 316L)

**Technical Notes**

One piece construction, no mechanical joints.

No backlash.

Constant velocity.

Torsionally rigid.

High flexibility.

Temperature range -40°C to +120°C.

Central relief diameter may be smaller than

bore in some cases.

**Max Torque:**

Select the size where max.torque exceeds the application target service factor.

**Service Factors:**

Shock + reversing = 2

Non reversing = 1,5

Steady load = 1

**Max. rpm = 5,000**

**Torsional stiffness:**

based on - bore diameter of minimum  $D_2$  for size at load of (max torque/2).

**Tips**

Suitable for:

encoders, stepper motors, precision ball screws, robotics, scientific equipment, measuring systems, medical systems, pumps, servo systems etc.

Order No.	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	l <sub>1</sub>	l <sub>2</sub>	n	Ang. offset	Par. offset mm	Torque Nm max.	Tors. stiffness Nm/rad	Weight g
R3007.A02-03	1.9	3	9.5	M2,5	14.2	2	4.5	3°	0.100	0.4	4	5
R3007.A02-04	1.9	4	9.5	M2,5	14.2	2	4.5	3°	0.100	0.4	4	5
R3007.A03-03	1.9	3	9.5	M2,5	14.2	3	4.5	3°	0.100	0.4	4	5
R3007.A03-04	1.9	4	9.5	M2,5	14.2	3	4.5	3°	0.100	0.4	4	5
R3007.A04-04	1.9	4	9.5	M2,5	14.2	4	4.5	3°	0.100	0.4	4	5
R3007.B03-04	2.8	4	12.7	M3	19.1	3	6.0	5°	0.127	1.0	63	13
R3007.B03-05	2.8	5	12.7	M3	19.1	3	6.0	5°	0.127	1.0	63	13
R3007.B04-04	2.8	4	12.7	M3	19.1	4	6.0	5°	0.127	1.0	63	13
R3007.B04-05	2.8	5	12.7	M3	19.1	4	6.0	5°	0.127	1.0	63	13
R3007.B04-06	2.8	6	12.7	M3	19.1	4	6.0	5°	0.127	1.0	63	13
R3007.B05-05	2.8	5	12.7	M3	19.1	5	6.0	5°	0.127	1.0	63	13
R3007.C03-04	2.8	4	15.9	M4	20.3	3	6.0	5°	0.127	1.8	100	21
R3007.C03-05	2.8	5	15.9	M4	20.3	3	6.0	5°	0.127	1.8	100	21
R3007.C03-06	2.8	6	15.9	M4	20.3	3	6.0	5°	0.127	1.8	100	21
R3007.C04-04	2.8	4	15.9	M4	20.3	4	6.0	5°	0.127	1.8	100	21
R3007.C04-05	2.8	5	15.9	M4	20.3	4	6.0	5°	0.127	1.8	100	21
R3007.C04-06	2.8	6	15.9	M4	20.3	4	6.0	5°	0.127	1.8	100	21
R3007.C05-04	2.8	4	15.9	M4	20.3	5	6.0	5°	0.127	1.8	100	21
R3007.C05-05	2.8	5	15.9	M4	20.3	5	6.0	5°	0.127	1.8	100	21
R3007.C05-06	2.8	6	15.9	M4	20.3	5	6.0	5°	0.127	1.8	100	21
R3007.C06-06	2.8	6	15.9	M4	20.3	6	6.0	5°	0.127	1.8	100	21
R3007.D03-05	2.8	5	19.1	M4	22.9	3	6.5	5°	0.127	2.7	80	40
R3007.D03-06	2.8	6	19.1	M4	22.9	3	6.5	5°	0.127	2.7	80	40
R3007.D03-08	2.8	8	19.1	M4	22.9	3	6.5	5°	0.127	2.7	80	40



Order No.	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	l <sub>1</sub>	l <sub>2</sub>	n	Ang. offset	Par. offset mm	Torque Nm max.	Tors. stiffness Nm/rad	Weight g
R3007.D04-05	2.8	5	19.1	M4	22.9	4	6.5	5°	0.127	2.7	80	40
R3007.D04-06	2.8	6	19.1	M4	22.9	4	6.5	5°	0.127	2.7	80	40
R3007.D04-08	2.8	8	19.1	M4	22.9	4	6.5	5°	0.127	2.7	80	40
R3007.D05-05	2.8	5	19.1	M4	22.9	5	6.5	5°	0.127	2.7	80	40
R3007.D05-06	2.8	6	19.1	M4	22.9	5	6.5	5°	0.127	2.7	80	40
R3007.D05-08	2.8	8	19.1	M4	22.9	5	6.5	5°	0.127	2.7	80	40
R3007.D06-06	2.8	6	19.1	M4	22.9	6	6.5	5°	0.127	2.7	80	40
R3007.D06-08	2.8	8	19.1	M4	22.9	6	6.5	5°	0.127	2.7	80	40
R3007.D08-08	2.8	8	19.1	M4	22.9	8	6.5	5°	0.127	2.7	80	40
R3007.E05-06	4.8	6	25.4	M5	31.8	5	9.0	5°	0.127	6.0	163	106
R3007.E05-08	4.8	8	25.4	M5	31.8	5	9.0	5°	0.127	6.0	163	106
R3007.E05-10	4.8	10	25.4	M5	31.8	5	9.0	5°	0.127	6.0	163	106
R3007.E06-06	4.8	6	25.4	M5	31.8	6	9.0	5°	0.127	6.0	163	106
R3007.E06-08	4.8	8	25.4	M5	31.8	6	9.0	5°	0.127	6.0	163	106
R3007.E06-10	4.8	10	25.4	M5	31.8	6	9.0	5°	0.127	6.0	163	106
R3007.E08-08	4.8	8	25.4	M5	31.8	8	9.0	5°	0.127	6.0	163	106
R3007.E08-10	4.8	10	25.4	M5	31.8	8	9.0	5°	0.127	6.0	163	106
R3007.E10-10	4.8	10	25.4	M5	31.8	10	9	5°	0.127	6.0	163	106